





COUNTY BOROUGH OF BURY.

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ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1918,

BY

G. GRANVILLE BUCKLEY,

M.D., D.P.H.,

MEDICAL OFFICER OF HEALTH, CHIEF TUBERCULOSIS OFFICER,

MEDICAL OFFICER TO THE EDUCATION COMMITTEE,

AND


MEDICAL ADVISER TO THE LOCAL INSURANCE COMMITTEE.

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*Public Health Department,*

*Clough Street,*

*BURY,*

*August, 1919.*

*To the Chairman and Members of the Health Committee.*

*Gentlemen,*

*I have the honour to present to you a brief report on the health and sanitary circumstances of your Borough during the year 1918.*

*On the instructions of the Local Government Board, the report has been cut down to the lowest possible dimensions. It is hoped, however, that it will be possible, later, to issue a full report dealing with the year under review.*

*The Birth Rate (12.73) shows a further decrease upon the rate for 1917, being a reduction of 0.70 per 1,000. It is the lowest rate ever recorded in the Borough.*

*The Death Rate (19.13) shows an increase of 3.14 per 1,000 of the population, as compared with the rate for 1917. This increase is due to the large number of deaths from Influenza.*

*The Infant Mortality Rate has increased from 93 per 1,000 births in 1917 to 110 per 1,000 in 1918. The average rate for the previous 10 years was 127 per 1,000.*

*I am, Gentlemen,*

*Your obedient servant,*

*G. GRANVILLE BUCKLEY,*

*Medical Officer of Health.*



## County Borough of Bury.

### STATISTICAL SUMMARY, 1918.

Population (estimated 1917) .....	51851				
Number of Inhabited Houses (Census 1911) .....	13919				
Marriages (Bury Union) .....	1009				
Births .....	<table><tr><td>{ Males .....</td><td>404</td></tr><tr><td>{ Females .....</td><td>324</td></tr></table> Total ... 728	{ Males .....	404	{ Females .....	324
{ Males .....	404				
{ Females .....	324				
„ (Illegitimate) .....	48				
Annual Rate of Births per 1000 of the Population (57,168) .....	12.73				
Deaths .....	<table><tr><td>{ Males .....</td><td>483</td></tr><tr><td>{ Females .....</td><td>493</td></tr></table> Total ... 976	{ Males .....	483	{ Females .....	493
{ Males .....	483				
{ Females .....	493				
Annual Rate of Mortality per 1000 of the population (51,022) .....	19.13				
Excess of Registered Deaths over Births.....	248				
Infantile Mortality.....	110 per 1000 Births.				

# Causes of, and Ages at Death during the Year 1918.

Causes of Death.	Nett Deaths at the subjoined Ages of Residents, whether occurring within or without the District.										Total Deaths whether of Residents or Non-residents in Institutions in the District.
	All ages.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.		
All Causes { Certified . . . . .	965	80	32	43	48	48	147	277	290	320	
{ Uncertified . . . . .	11	..	..	1	1	..	2	4	3		
Enteric Fever . . . . .	2	..	..	..	1	..	..	1	..	2	
Smallpox . . . . .	..	..	..	..	..	..	..	..	..	..	
Measles . . . . .	11	3	6	2	..	..	..	..	..	1	
Scarlet Fever . . . . .	1	..	..	1	..	..	..	..	..	6	
Whooping Cough . . . . .	8	2	3	2	1	..	..	..	..	..	
Diphtheria and Croup . . . . .	10	..	..	6	3	1	..	..	..	13	
Influenza . . . . .	146	1	4	5	12	15	49	42	18	19	
Erysipelas . . . . .	..	..	..	..	..	..	..	..	..	..	
Phthisis (Pulmonary Tuberculosis) . . . . .	66	..	..	..	5	16	24	19	2	8	
Tuberculous Meningitis . . . . .	4	1	..	1	2	..	..	..	..	..	
Other Tuberculous Diseases . . . . .	12	1	..	2	3	1	..	4	1	3	
Cancer, Malignant Diseases . . . . .	66	..	..	..	..	..	6	39	21	16	
Rheumatic Fever . . . . .	..	..	..	..	..	..	..	..	..	..	
Meningitis . . . . .	..	..	..	..	..	..	..	..	..	..	
Organic Heart Disease . . . . .	129	..	..	1	2	4	17	54	51	26	
Bronchitis . . . . .	89	3	3	4	1	2	3	29	44	25	
Pneumonia (all forms) . . . . .	100	18	12	11	12	2	15	21	9	9	
Other Diseases of Respiratory Organs . . . . .	3	..	..	..	..	..	..	2	1	3	
Diarrhoea and Enteritis . . . . .	18	5	..	4	..	..	..	5	4	25	
Appendicitis and Typhlitis . . . . .	6	..	..	..	1	..	2	3	..	5	
Cirrhosis of Liver . . . . .	..	..	..	..	..	..	..	..	..	..	
Alcoholism . . . . .	..	..	..	..	..	..	..	..	..	..	
Nephritis and Bright's Disease . . . . .	19	..	..	1	..	1	5	11	1	5	
Puerperal Fever . . . . .	..	..	..	..	..	..	..	..	..	..	
Other accidents & Diseases of Pregnancy and Parturition . . . . .	3	..	..	..	..	..	3	..	..	..	
Congenital Debility and Malformation, including Premature Birth . . . . .	36	35	1	..	..	..	..	..	..	1	
Violent Deaths, excluding Suicides . . . . .	16	2	..	1	2	..	2	4	5	17	
Suicides . . . . .	6	..	..	..	..	..	1	2	3	..	
Other Defined Diseases . . . . .	145	5	2	3	3	6	21	43	62	64	
Diseases Ill-defined or Unknown . . . . .	80	4	1	..	1	..	1	2	71	72	
	976	80	32	44	49	48	149	281	293	320	
Sub-Entries included in above figures.											
Pneumonia other than Broncho Pneumonia . . . . .	61	8	5	7	5	2	12	15	7	5	
Cerebro-Spinal Fever . . . . .	1	..	..	1	..	..	..	..	..	3	



## LONGEVITY.

The number of deaths attributed to old age was 70, as compared with 77 in the previous year.

## INFANT MORTALITY.

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Number of births registered during the year ... ..	728
Number of deaths of children under one year of age ...	80
Infant Mortality Rate, per 1,000 births ... ..	110

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The Infant Mortality Rate for the year 1918 shows an increase of 17 compared with the corresponding rate for 1917. This is a reduction of 17 on the mean rate for the preceding ten years.

Deaths from Zymotic diseases show an increase as compared with the previous year, viz., 11, compared with 9 deaths in 1917.

Deaths from Respiratory diseases show an increase of 9 compared with the previous year, three being due to Bronchitis, ten to Broncho-Pneumonia, and eight to Pneumonia (other forms).

The following table shows the number of deaths of infants per 1,000 births in Bury during the past eleven years :—

1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	Average 10 years.	1918
129	129	124	168	112	141	125	115	133	93	127	110

Infant Mortality for the whole of England and Wales (1918) ... ..	97
For the 96 Great Towns ... ..	106
For the 148 Smaller Towns ... ..	94
For Bury ... ..	110

**Inquests.**—During the year the Coroner (Mr. S. F. Butcher) enquired into the deaths of two infants. The causes of death were returned as follows :—“ Accidentally Suffocated ” 2.

**Uncertified Deaths.**—No uncertified deaths of children under one year of age occurred during the year.

**Illegitimacy.**—6.04 per cent. of the total births were illegitimate, and of the total deaths of children under one year of age 7.50 per cent. were of illegitimate children, as compared with 11.11 per cent. in 1917. The infant mortality among legitimate children was 108 per 1,000 births, whereas among illegitimate children it was 136 per 1,000 births.

**Insurance.**—13, or 16.25 per cent., of the infants who died were insured, as compared with 30.55 per cent. in the year 1917.

**Influence of Feeding on Infant Mortality.**—During the year the following information was obtained as to the method of feeding of 671, or 99.19 per cent., of the 674 infants notified. Of these :

557	were breast-fed,	amongst which were 13 deaths, i.e., 2.33%
73	„ bottle-fed	„ „ 16 „ „ 21.91%
22	„ breast and bottle-fed	„ „ 4 „ „ 18.18%
14	„ spoon-fed	„ „ 11 „ „ 78.57%
5	died within 24 hours of birth.	

Of the 80 deaths which have been recorded of children under one year of age, the following is an analysis of the nature of feeding :—

35, or 43.75 per cent., were bottle-fed.

21, or 26.25 per cent., were fed naturally.

5, or 6.25 per cent., were partly breast and partly bottle fed.

11, or 13.75 per cent., were spoon-fed.

8, or 10.00 per cent., died almost immediately after birth.

#### District Mortality.

		Infants Deaths.		Births.		Deaths per 1000 births.
Bury North	{ Moorside Ward ... ..	22	...	170	...	129
	{ East Ward... ..	17	...	163	...	104
Bury South	{ Church Ward ... ..	14	...	98	...	143
	{ Redvales Ward ... ..	11	...	119	...	92
Elton Ward	... ..	16	...	178	...	90
Whole Borough... ..		80	...	728	...	110



## MOTHERS' WELCOME.

As stated in last year's report, the Bury Co-operative Women's Guild opened a "Mothers' Welcome" at No. 12, John Street, in November, 1916. The building contains consulting room, play room for children, tea room for mothers, weighing room, lavatories, &c.

Owing to the increase in the number of children attending it has been found necessary to open on Thursday as well as Monday afternoon.

During the year the Health Visitors made a total of 140 attendances. The number of children on the books at the beginning of the year was 526, and this had increased to 773 at the end of the twelve months. Full records are kept of each child, and when considered necessary the child is examined by the Medical Officer of the institution. The Corporation Health Visitors are in attendance at the Welcome, and carry out the home visiting of the babies. No treatment is carried out at the institution, but where the child requires medical attention the mother is directed to consult her own medical man.



## NOTIFICATION OF INFECTIOUS DISEASES.

1,148 notifications were received from school authorities of cases of suspected Infectious Diseases. Of these 1,148 cases, 934 were cases of suspected Measles (821 verified), 229 Chicken-pox (155 verified), 9 Mumps (7 verified), and 136 Whooping Cough (113 verified).

### Cases of Infectious Disease notified during the Year 1918.

Notifiable Disease.	Cases notified in whole District.								No. of Deaths.	No. Removed to Hospital
	At all Ages	At Ages—Years.								
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards.		
Smallpox .....	..	..	..	..	..	..	..	..	..	..
Cholera .....	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Croup)	114	..	28	52	10	4	..	..	10	110
Erysipelas .....	16	..	..	2	1	6	6	1	..	1
Scarlet Fever .....	50	..	7	34	7	2	..	..	1	44
Typhus Fever .....	..	..	..	..	..	..	..	..	..	..
Enteric Fever .....	5	..	..	2	1	1	1	..	2	4
Relapsing Fever .....	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	..	..	..	..	..	..	..	..
Puerperal Fever .....	2	..	..	..	..	2	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..
Ophthal. Neonatorum	6	6	..	..	..	..	..	..	..	..
* Measles .....	668	32	410	216	9	1	..	..	11	..
† Chicken-Pox .....	138	5	63	65	4	1	..	..	..	..
TOTALS .....	939	43	508	391	32	17	7	1	24	159

\* Made Notifiable on January 1st, 1916.

† " " " " March 29th, 1916.

### BACTERIOLOGICAL EXAMINATIONS.

Suspected Disease.	Diphtheria.	Typhoid Fever.	Tuberculosis.
Number of specimens examined...	39	6	93
Number positive .....	6	1	10

### SMALLPOX.

No case of Smallpox occurred during the year; the last case notified in the Borough was on March 15th, 1916.

## TUBERCULOUS DISEASES:

### PHTHISIS.

Phthisis caused 66 deaths. The rate of mortality was 1.28 per 1,000, as compared with a rate of 1.44 per 1,000 in the previous year. Eight of the deaths occurred in the Union Workhouse and seven in the Ainsworth Sanatorium.

OTHER TUBERCULOUS DISEASES.—Sixteen deaths resulted from tuberculous diseases other than Phthisis, as compared with nine deaths in the previous year.

The age distribution was as follows:—

Under 1	1 to 2	2 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 upwards	Total								
2	...	—	...	3	...	5	...	1	...	—	...	4	...	1	...	16

Tuberculosis, therefore, was responsible for 82 deaths altogether, which is equivalent to a rate of 1.60 per 1,000.

In other words, one out of every twelve deaths in Bury is due to some form of Consumption.

## PUBLIC HEALTH (Tuberculosis) REGULATIONS, 1912.

Under these Regulations, 118 primary notifications have been received during the year, 93 being of Pulmonary Tuberculosis and 25 of Non-Pulmonary Tuberculosis.

### INSTITUTIONAL TREATMENT.

The following table shows the number of patients treated at the various Institutions and the number of days spent therein by the patients:—

	No. of Patients.	No. of Days:
Dispensary ... ..	20	2653
Aitken Sanatorium ... ..	29	3741
Ainsworth Sanatorium ... ..	30	3266
Manchester Infirmary ... ..	3	89

## FACTORIES AND WORKSHOPS.

FACTORIES, WORKSHOPS, AND WORKPLACES.—During the year six notices were received from His Majesty's Inspector of Factories, and these have been complied with.

The following is a list of Notices served during the period under review :—

No. of Notice.	Defects Found.	Remedies Adopted.
1.—F.I.N.	The sanitary convenience for women adjoins that for the men. It is unscreened and there is no separate approach.	Screen fixed in front of closet used by women.
2.—F.I.N.	The women's sanitary conveniences communicate with the workroom without intervening ventilated spaces. Those in the rag-picking room were in an offensive condition, those in the other room are inefficiently ventilated and the flusher wont work.	Three w.c.'s with intervening ventilated space provided for the women. Three w.c.'s provided for the men. Four privy closets and two tanks done away with. An intervening ventilated space has been arranged to the two w.c.'s. in the toilet department.
3.—F.I.N.	No sanitary accommodation.	Two pail closets have been provided (no sewer accommodation available).
4.—F.I.N.	No closet accommodation.	Two pail closets have been provided (no sewer accommodation available).
5.—F.I.N.	Men's and women's sanitary accommodation very foul and unfit for use.	14 new excreta pails provided, new doors to pail recesses fixed and other structural repairs done (no sewer accommodation available).
6.—F.I.N.	Doors off females' sanitary conveniences.	Doors re-fixed.
613, 707	Premises insufficiently drained.	New drains or channels fixed.
611, 627, 699, 701, 740, 760, 770, 859, 898, 909, 924, 968, 1020, 1027, 1054, 1155, 1156, 1157, 16, 15, 29, 66	Choked drains.	Drains cleared and repaired.

No. of Notice.	Defects Found.	Remedies Adopted.
865, 1071, 1213, 15	Defective drain.	Drains re-laid.
1052, 1084, 1098, 12	Defective eaves gutters and spouts	New gutters and spouts fixed.
651, 705, 1113 1143, 1149	Choked eaves gutters and spouts.	Cleared and repaired.
670, 671, 833, 865, 1087, 1182, 1189	Insufficient closet accommo- dation.	Eight additional w.c.'s fixed.
859, 1197, 1200, 1210	Water closet cisterns out of order.	Cisterns repaired.
701	Defective (structure) w.c.	Repaired.
611	Do. (pedestal) w.c.	New pedestal fixed.
26	Insanitary trough water closets and insufficiently ventilated.	Closets and pipes removed, three new water closets fixed, and an intervening ventilated space between closets and workrooms provided.
1211	Insanitary pail closet.	One new pail provided.
725, 861, 996	Ashpits defective doors.	Doors repaired.
682, 686, 735, 902, 906, 907, 948	Accumulations of refuse.	Refuse removed.
1204, 7	Rooms requiring limewash- ing.	Limewashed.
618, 1196, 1204	No Abstract of the Factory Act posted inside the workrooms.	Occupiers obtained and fixed copies.
640, 723, 925, 1076, 1212	Insufficient water supply.	Water pipes repaired.
19	Smoke nuisance from low chimney.	In hand.
1070	Insanitary manure midden stead.	Repaired.
612, 835	Dangerous area and wall.	One wall rebuilt and one taken down.
749	Effluvium nuisance (burning refuse).	Abated.

Number of visits, 379.



## SUMMARY OF VISITS OF THE HEALTH VISITORS.

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660	visits to houses where births have been registered.	
6687	re-visits    „        „        „        „        „	
150	visits to expectant mothers.	
285	re-visits    „        „	
79	visits to houses in which deaths in infants under one year of age have occurred.	
2185	re-visits to babies during the summer diarrhoea season.	
140	visits to Mothers' Welcome.	
967	visits to homes in which cases of suspected Measles, Whooping Cough, Ringworm, &c., existed.	
141	visits to houses in which cases of Tuberculosis have been notified.	
1910	re-visits    „        „        „        „        „        „	
872	visits to houses in which cases of Measles have been notified.	
54	re-visits    „        „        „        „        „        „	
185	visits to houses in which cases of Chicken-pox have been notified.	
11	re-visits    „        „        „        „        „        „	
6	visits to cases of Ophthalmia Neonatorum.	
14	re-visits    „        „        „        „	
2	visits to cases of Puerperal Fever.	
68	visits to Midwives.	
154	visits to workrooms and factories.	
156	visits re Shops Act.	
309	miscellaneous visits.	

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## SUMMARY OF VISITS OF THE SANITARY INSPECTORS.

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Infectious and contagious diseases ... ..	614
Common lodging-houses ... ..	440
Houses let in lodgings ... ..	538
Factories ... ..	157
Workshops ... ..	222

Canal boats (wharf) ... ..	37
Public Buildings ... ..	3
Re Premises to cleanse ... ..	151
„ „ repair ... ..	279
Houses damp ... ..	8
Re Houses overcrowded ... ..	8
„ „ insufficient water supply ... ..	8
„ „ defective water pipes and fittings... ..	5
„ Flooded cellars ... ..	39
„ Defective rain-water spouts and eaves-gutters..	234
„ Drains choked, dilapidated, and untrapped ...	942
„ Testing drains and fittings ... ..	16
„ Defective waste pipes... ..	22
„ Water closets ... ..	748
„ Privy middens and ashpits ... ..	739
„ Manure ... ..	36
„ Accumulation of refuse ... ..	68
„ Foul ditches, water courses, &c. ... ..	8
„ Animals kept as to be a nuisance ... ..	31
„ Defective yard pavements ... ..	8
„ Defective chimney flues ... ..	3
„ Dangerous places ... ..	5
„ Work in progress ... ..	43
„ Appointments and nuisances of a general character ... ..	836

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Number of Preliminary Notices served ... ..	15
„ „ Letters in lieu of do. do. ... ..	435
„ „ Verbal Notices given ... ..	215
„ „ Letters sent other than Notices ... ..	191

## ANNUAL REPORT OF THE BOROUGH ANALYST.

ADEN HOUSE,

MANCHESTER ROAD, BURY,

March 15th, 1919.

*To the Chairman and Members of the Health Committee of  
the Corporation of Bury.*

Gentlemen,

In accordance with Section 19 of the Sale of Food and Drugs Act, 1875-1907, I have pleasure in submitting my report upon the samples submitted to me by Inspector Cass for the year ended December 31st, 1918.

During the year I have received 87 samples as under:—

Milk ... ..	73 samples.
Butter ... ..	2 „
Margarine ... ..	5 „
Cheese ... ..	1 „
Coffee ... ..	1 „
Cocoa ... ..	1 „
Pepper ... ..	1 „
Flour ... ..	2 „
Bread ... ..	1 „
	—
	87
	—

With the exception of the samples of milk the remainder were informally taken samples.

These samples were all carefully examined. Seven samples of milk were found to have been adulterated. The other samples were found to be genuine.

Of the adulterated milks six contained added water varying from 3.6 per cent. to 20 per cent., and one was deficient in fat to the extent of 16.7 per cent. In all these cases the vendors

TABLE IV.—Treatment of Defects of Children during 1918.

Condition.	No. of Defects for which treatment was considered necessary.			No. of defects for which no report is available.	No. of defects treated.	Results of Treatment.			No. of defects not treated.	Percent- age of defects treated.
	From previous year.	New.	Total.			Remedied.	Improved.	Unch'ng'd		
Clothing..	..	4	4	1	3	3	..	..	..	100.00
Footgear .....	..	2	2	2	..	..	..	..	..	..
Cleanliness of Head .....	38	103	141	36	99	91.	8	..	6	94.28
Cleanliness of Body .....	17	12	29	13	16	13	3	..	..	100.00
Nutrition .....	..	..	..	..	..	..	..	..	..	..
Nose and Throat.....	62	85	147	28	107	61	43	3	12	88.99
External Eye Disease .....	14	28	42	21	21	11	10	..	..	100.00
Ear Disease .....	4	6	10	4	6	2	2	2	..	100.00
Teeth .....	..	347	347	116	19	..	18	1	212	91.77
Heart and Circulation .....	18	32	50	19	28	5	13	10	3	90.32
Lungs.....	9	5	14	6	8	5	3	..	..	100.00
Nervous System .....	..	1	1	..	1	..	1	..	..	100.00
Skin.....	10	9	19	7	9	6	2	1	3	75.00
Rickets .....	1	4	5	2	2	..	2	..	1	66.67
Deformities .....	..	10	10	8	2	2	..	..	..	100.00
Tuberculosis—Non-Pulmonary .....	..	2	2	1	1	1	..	..	..	100.00
Speech .....	..	10	10	7	1	..	1	..	2	33.33
Mental Condition.....	..	5	5	..	..	..	..	..	..	..
Vision and Squint .....	12	155	167	36	116	69	37	10	15	88.55
Hearing.....	..	15	15	5	9	7	1	1	1	90.00
Miscellaneous .....	..	15	15	5	9	7	1	1	1	90.00
Total .....	185	832	1033	317	457	283	145	29	266	63.21

